

Title (en)
METHOD FOR PRODUCING CARBOXYLIC ACID ESTERS IN THE PRESENCE OF AN IONIC LIQUID AND AN ACIDIC ESTERIFICATION CATALYST AND THE USE THEREOF AS PLASTICIZER

Title (de)
VERFAHREN ZUR HERSTELLUNG VON CARBONSÄUREESTERN IN GEGENWART EINER IONISCHEN FLÜSSIGKEIT UND EINES SAUREN VERESTERUNGSKATALYSATORS UND DEREN VERWENDUNG ALS WEICHMACHER

Title (fr)
PROCÉDÉ DE PRODUCTION D'ESTERS D'ACIDES CARBOXYLIQUES EN PRÉSENCE D'UN LIQUIDE IONIQUE ET D'UN CATALYSEUR D'ESTÉRIFICATION ACIDE ET LEUR UTILISATION COMME PLASTIFIANT

Publication
EP 3134380 B1 20190814 (DE)

Application
EP 15720628 A 20150420

Priority
• EP 14165458 A 20140422
• EP 2015058482 W 20150420

Abstract (en)
[origin: WO2015162079A1] The invention relates to a method for producing carboxylic acid esters by reacting carboxylic acids and/or carboxylic acid anhydrides with at least one alcohol having at least 5 carbon atoms, selected from alkanols and cycloalkanols, in the presence of an ionic liquid and an acidic esterification catalyst. The invention also relates to the use of the thus obtained carboxylic acid esters as a plasticizer or in a plasticizer composition for thermoplastic polymers and elastomers.

IPC 8 full level
C07C 67/08 (2006.01); **C08K 5/00** (2006.01); **C08K 5/10** (2006.01)

CPC (source: CN EP KR US)
B01J 31/0277 (2013.01 - KR); **B01J 31/122** (2013.01 - KR); **C07C 9/08** (2013.01 - EP US); **C07C 67/08** (2013.01 - CN EP KR US); **C07C 67/54** (2013.01 - CN EP KR US); **C07C 67/62** (2013.01 - KR); **C07C 69/82** (2013.01 - EP KR US); **C07D 233/58** (2013.01 - KR); **C08K 5/0016** (2013.01 - CN KR US); **C08K 5/10** (2013.01 - CN KR US); **C08K 5/12** (2013.01 - US); **Y02P 20/582** (2015.11 - KR)

C-Set (source: CN EP US)
CN EP

1. **C07C 67/08 + C07C 69/82**
2. **C07C 67/54 + C07C 69/82**

US

1. **C07C 67/08 + C07C 69/82**
2. **C07C 9/08 + C07C 69/82**
3. **C07C 67/54 + C07C 69/82**

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015162079 A1 20151029; BR 112016024512 A2 20170815; CN 106232571 A 20161214; CN 106232571 B 20190528; EP 3134380 A1 20170301; EP 3134380 B1 20190814; ES 2755389 T3 20200422; JP 2017517496 A 20170629; KR 20160148611 A 20161226; RU 2016145450 A 20180522; RU 2016145450 A3 20181121; TW 201546040 A 20151216; TW I678359 B 20191201; US 2017044085 A1 20170216; US 9776949 B2 20171003

DOCDB simple family (application)
EP 2015058482 W 20150420; BR 112016024512 A 20150420; CN 201580020932 A 20150420; EP 15720628 A 20150420; ES 15720628 T 20150420; JP 2016563959 A 20150420; KR 20167032378 A 20150420; RU 2016145450 A 20150420; TW 104112514 A 20150420; US 201515305932 A 20150420